IN THE CLAIMS:

1. (Currently Amended) An ohmic contact formation method A formation method of a source or a drain contact of a field effect transistor that includes a layer of a Group III nitride semiconductor, the method comprising:

forming a film comprising Si and Ti on a surface of a layer of a Group III nitride semiconductor; and

heat-treating the film and the <u>layer of Group III nitride</u> semiconductor, <u>layer</u> thereby diffusing Si as a dopant in the semiconductor layer to form the source or drain contact.

- 2. (Original) The contact formation method as set forth in claim 1, wherein the film formation is performed by depositing Si and Ti in this order.
- 3. (Previously Presented) The contact formation method as set forth in claim 1, wherein a heat treatment temperature is in the range of 500° to 1100° C.
 - 4. (Withdrawn) A semiconductor device comprising:

a Group III nitride semiconductor layer into which Si is diffused as an impurity by a heat treatment performed after a film comprising Si and Ti is formed on a surface of the Group III nitride semiconductor layer; and

an electrode film of TiSi₂ formed by a reaction between Ti and Si. an electrode film of TiSi₂ formed by a reaction between Ti and Si.